Saket Lunker

+91-9558638383
saketlunker@gmail.com
saketlunker.github.io

Looking for decision centred responsibilities in a dynamic and fast-paced environment.

Technical Skills

Proficient	C++, HTML, SQL, Verilog.
Experienced	Python, MATLAB, CSS, x86 Assembly Language.
Exposure	JavaScript, BASH, Git, Python Machine Learning Libraries (Tensorflow, Numpy, Scipy).
Utilities	Editor (VIM, Atom), IDE (PyCharm, CLion, Visual Studio, Google Colaboratory), Cross Platform IDE (Altera Quartus, Keil µVision), EDA Tools (National Instruments Multisim, Autodesk Eagle, DIP Trace, Labcenter Electronics Proteus, OrCAD PSpice, Cadence Virtuoso), Cygwin, IBM Cognos, Google Cloud Console.

Educational Qualifications

Bachelor of Technology, Nirma University	2016 – 2020
Major Electronics and Communication Technology	6.8 CGPA
Minor Computer Science	7.7 CGPA
Higher Secondary Certificate, CBSE	2016
Maharaja Agrasen Vidyalaya	86 %
Cambridge IGCSE	2014
D. G. Khetan International	86 %

Certifications

Machine Learning	Stanford University	11 weeks	96 %
Developing Cloud Applications	Google Cloud	4 subjects	86 %
Portfolio and Risk Management	Indian School of Business	5 subjects	76 %
Game Theory	Stanford University	8 weeks	89 %

Selected Projects

Optical Character Recognition

Machine Learning using pre-built modules from Stanford University Coursera course. Implemented MATLAB program to recognize digits, by correlating optical patterns with required dataset using neural networks. Implemented similar code in Python using Pandas and Numpy.

Garment Classification

Classification of Grayscale Garment Image of 28x28 pixels from fashion_mnist dataset using Tensorflow.

Colour Image Processing

Implemented MATLAB code for image conditioning <Grayscale, Red, Green and Blue filters>.

Web Hosting using Virtual Machine

Generated php based web page on Google Cloud Platform using Virtual Machine at uscentral-1a sector.

Dual Axis Solar Tracker

Arduino based directivity tracer using feedback loop from four optical sensors, which is translated then fed to servo motors, moving them in quantum of 15 degrees in both x and y axis.

Intel MCS-51 <8051> Based Calculator

Embedded Microcontroller based Simple Calculator using Keypad for Input and 16x2 LCD Interface for Output.

LNA Design and Simulation

Designed schematic using Cadence Virtuoso and calculated theoretical Gain, NF and $NF_{min.}$